

CLAIMS

1.- Continuous automatic fluid flow control and distributor valve, with a magnetic seal, of the type of valves that permit the flow of a fluid to be distributed among three inlet and outlet ways, one of which (10) is shared and remains open all the time, and the other two (7') and (7'') are the progressive opening and closing type, characterised in that its structure is made up of the following items:

- A cylindrically-shaped seal made up of two identical ferromagnetic discs (1), which enclose between them another smaller-diameter concentric disc (2) and a permanent magnet, the rims (3) of the two outer discs being bevel-cut towards the inner magnetic disc (2), with the result that the three discs conjointly define a perimeter groove that acts as a housing for a spring ring (4) which forms the direct means of sealing.
- A valve case or body composed of two superimposed parts (5') - (5''), one of which (5') forms the rolling track of the outer discs with the bevelled rims of the seal and is of ferromagnetic material, being provided with an intercommunicating chamber (6) between the fluid distribution ways (7') - (7'') (inlets and outlets), which are of dimensions that permit small movements to take place in its interior owing to the rolling of the seal, the axes of the inlet ways (7') - (7'') and of the outlet way (10) or vice versa being disposed perpendicularly.
- Seal movement means composed of: a bi-metal conductor (8) capable of contracting when an electrical voltage is applied to it, causing with its contraction the movement of the seal limited by lateral stops (11); and an opposing spring (9), disposed to keep the seal in dynamic equilibrium or take it up to its home position when no electrical voltage is applied to the bi-metal conductor (8).